

ABSTRACT

An LED of each of colors, red, green and blue, undergoes PWM control independently in a unit emission period to emit light, luminance/chromaticity meter 31
5 measures the chromaticity of the light, a difference is calculated between the measured value and target white balance value, a duty ratio is corrected on the LED of each color corresponding to the difference to light the LED of each color again, and the duty ratio for the LED
10 of each color such that the difference falls within a predetermined allowable range is stored in duty ratio storage register 21, 22 or 23.